

## DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled " BATCH TYPE ATOMIC LAYER DEPOSITION APPARATUS AND IN-SITU CLEANING

METHOD THEREOF

the specification of which:  is attached hereto;  was filed on \_\_\_\_\_ as Application Serial No.

\_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable);  was filed as PCT International Application No.

\_\_\_\_\_ on \_\_\_\_\_ and was amended under Article 19 on \_\_\_\_\_ (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Marshall, Gerstein & Borun, 6300 Sears Tower, 233 S. Wacker Drive, Chicago, IL 60606-6357, to insert above the filing date and/or Application No. of said application.

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

|                             |                   |                        | Priority Claimed   |
|-----------------------------|-------------------|------------------------|--|
| 2002-42297                  | Republic of Korea | 19/07/2002             | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| (Application Serial Number) | (Country)         | (Day/Month/Year Filed) | Yes <input type="checkbox"/> No <input type="checkbox"/>     |
|                             |                   |                        | Yes <input type="checkbox"/> No <input type="checkbox"/>     |
| (Application Serial Number) | (Country)         | (Day/Month/Year Filed) |  |

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

|                             |                        |
|-----------------------------|------------------------|
| (Application Serial Number) | (Day/Month/Year Filed) |
| (Application Serial Number) | (Day/Month/Year Filed) |

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

|                             |                        |   |
|-----------------------------|------------------------|---|
| (Application Serial Number) | (Day/Month/Year Filed) | (Status-Patented, Pending or Abandoned) |
| (Application Serial Number) | (Day/Month/Year Filed) | (Status-Patented, Pending or Abandoned) |

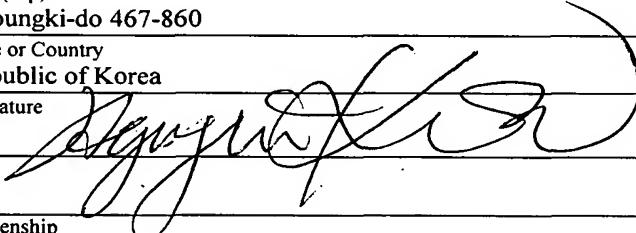
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**POWER OF ATTORNEY:** I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

|                     |        |                        |        |                   |        |
|---------------------|--------|------------------------|--------|-------------------|--------|
| John B. Lungmus     | 18,566 | Kevin D. Hogg          | 31,839 | Gregory C. Mayer  | 38,238 |
| Allen H. Gerstein   | 22,218 | Jeffrey S. Sharp       | 31,879 | Michael R. Weiner | 38,359 |
| Nate F. Scarpelli   | 22,320 | Martin J. Hirsch       | 32,237 | David C. Read     | 39,811 |
| Michael F. Borun    | 25,447 | Richard M. Labarge     | 32,254 | Thomas A. Miller  | 40,091 |
| Carl E. Moore, Jr.  | 26,487 | James J. Napoli, Ph.D. | 32,361 | William K. Merkel | 40,725 |
| Richard H. Anderson | 26,526 | Robert M. Gerstein     | 34,824 | Sandip H. Patel   | 43,848 |
| Patrick D. Ertel    | 26,877 | Michael R. Hull        | 35,902 | Kevin M. Flowers  | 44,684 |
| Richard B. Hoffman  | 26,910 | Anthony G. Sitko       | 36,278 | William J. Kramer | 46,229 |
| James P. Zeller     | 28,491 | David A. Gass          | 38,153 |                   |        |
| Thomas I. Ross      | 29,275 |                        |        |                   |        |

Send correspondence to: MICHAEL R. HULL

| FIRM NAME                  | PHONE NO.    | STREET                                     | CITY & STATE      | ZIP CODE   |
|----------------------------|--------------|--|-------------------|------------|
| Marshall, Gerstein & Borun | 312-474-6300 | 6300 Sears Tower<br>233 South Wacker Drive | Chicago, Illinois | 60606-6357 |

|  |  |
|--|--|
| Full Name of First or Sole Inventor<br><b>KWON, HYUG-JIN</b>         | Citizenship<br><b>Republic of Korea</b>  |
| Residence Address - Street<br><b>SAME AS THE POST OFFICE ADDRESS</b> | Post Office Address - Street<br><b>San 136-1, Ami-ri, Bubal-eub, Ichon-shi</b>                   |
| City (Zip)   | City (Zip)<br><b>Kyoungki-do 467-860</b>   |
| State or Country   | State or Country<br><b>Republic of Korea</b>   |
| Date<br><b>June 30, 2003</b>   | Signature<br> |

|                                       |                              |
|---------------------------------------|------------------------------|
| Full Name of Second or Joint Inventor | Citizenship                  |
| Residence Address - Street            | Post Office Address - Street |
| City (Zip)                            | City (Zip)                   |
| State or Country                      | State or Country             |
| Date                                  | Signature                    |

|                                      |                              |
|--------------------------------------|------------------------------|
| Full Name of Third or Joint Inventor | Citizenship                  |
| Residence Address - Street           | Post Office Address - Street |
| City (Zip)                           | City (Zip)                   |
| State or Country                     | State or Country             |
| Date                                 | Signature                    |